

**Amendments to the Claims:**

1. **(Original)** A device for removing membranous lead sulfate deposited on electrodes of a lead-acid battery due to sulfation, comprising a voltage detector, reference voltage generator, voltage comparator, oscillator, amplifier, waveform shaping circuit, negative pulse generator, and electrifying indicator, in which a pulse current having a short pulse width is outputted from said device to bring about a conductor skin effect, thereby to intensively dissolve a surface layer part of said membranous lead sulfate deposit on said electrodes.
2. **(Original)** The device set forth in claim 1, wherein said pulse width is less than 1  $\mu$ s.
3. **(Currently amended)** The device set forth in claim 1 or 2, wherein said lead-acid battery to which said device is mounted is used as a power source of said device.
4. **(New)** The device set forth in claim 2, wherein said lead-acid battery to which said device is mounted is used as a power source of said device.